UNITED STATES COOK CREEK RESERVOIR QUADRANGLE This report has not been edited for conformity with U.S. Geological Survey editorial standards or DEPARTMENT OF THE INTERIOR MONTANA GEOLOGICAL SURVEY 7.5 MINUTE SERIES (TOPOGRAPHIC) 106°15′ 45°45′ 106°07′30″ 45°45′ R 44 E. R. 45 E 13 13 18 17 16 15 14 24 23 22 21 19 24 20 OVERBURDEN ISOPACH—Showing thickness of over-burden, in feet, from the surface to the top of the coal bed. Isopach interval 200 feet (61 m) with an intermediate 500-foot isopach. BOUNDARY OF COAL 5 FEET OR MORE THICK-Drawn along the outcrop of coal bed and/or the inferred contact between burned and unburned coal and/or the 5-foot coal isopach. Arrows point toward area of coal 5 feet or more thick. MINING-RATIO CONTOUR-Number indicates cubic yards of overburden per ton of recoverable coal by surface-mining methods. Contours shown only in areas 26 25 27 28 30 29 25 suitable for surface mining within the stripping limit. To convert feet to meters, multiply feet by 0.3048. To convert yds3/ton to m3/metric ton, multiply yds3/ton by 0.842. 42'30" 42'30' 36 32 33 34 35 36 31 T.15. T. 2 S. 12 15 19 22 36 45°37′30″ 45°3 12'30" R. 44 E. R. 45 E. 106°15′ SCALE 1:24 000 Compiled in 1977 Base map from U.S. Geological Survey, 1966 3000 1 KILOMETER 5 0 / 15½° /276 MILS 0°51′ 15 MILS UTM GRID AND 1966 MAGNETIC NDRTH DECLINATION AT CENTER OF SHEET

COAL RESOURCE OCCURRENCE MAP OF THE COOK CREEK RESERVOIR QUADRANGLE, POWDER RIVER AND ROSEBUD COUNTIES, MONTANA BY

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PLATE 14

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stratigraphic nomenclature.

EXPLANATION

OVERBURDEN ISOPACH AND MINING-RATIO MAP OF THE LOWER SPLIT OF THE E COAL BED